



## Material Content Data Sheet



Sales Product Name	IPP052N06L3 G			Issued		23. January 2020		
MA#	MA000840912							
Package	PG-TO220-3-123			Weight*		2027.73 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	3.393	0.17	0.17	1673	1673
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.19	40.24	402093	402617
wire	non noble metal	aluminium	7429-90-5	7.252	0.36	0.36	3576	3576
encapsulation	organic material	carbon black	1333-86-4	2.341	0.12		1154	
	plastics	epoxy resin	-	67.876	3.35		33474	
	inorganic material	silicondioxide	60676-86-0	514.921	25.39	28.86	253941	288569
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10584	10584
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.209	0.01		103	
	noble metal	silver	7440-22-4	0.522	0.03		257	
	non noble metal	tin	7440-31-5	1.357	0.07	0.11	669	1029
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.07	29.11	290704	291082
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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